

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3058	(704/233,267,278,500,501,211).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/18 20:29
L2	1	L1 and (mean average) same cepstrum same (low adj2 pass adj2 filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/18 20:30
S1	242	(381/101).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:25
S2	1326	(381/98-100).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:25
S3	168	yano.in. and tone and quality	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:41
S4	2	yano.in. and tone and quality and (filter with factor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:46
S5	1	yano.in. and tone and quality and (filter same factor same advance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:47
S6	1	yano.in. and tone and quality and (updat\$3 with filter with response with successive\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:48
S7	1	yano.in. and tone and quality and (updat\$3 with filter with response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:48

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S8	1	yano.in. and tone and quality and (filter same result same analysis same response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:50
S9	1	yano.in. and tone and quality and (smooth\$3 same filter same fourier same series same low same pass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:51
S10	1	yano.in. and tone and quality and (smooth\$3 same odd same even same fourier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:04
S11	1	yano.in. and tone and quality and (change same point same fourier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:54
S12	1	yano.in. and tone and quality and (log same magnitude same filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:56
S13	1	yano.in. and tone and quality and (log same magnitude same filter same cepstrum same factor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 13:56
S14	1	yano.in. and tone and quality and (linear same prediction same coefficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:05
S15	1	yano.in. and tone and quality and (LPC)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:14
S16	1	mitsubishi.in. and tone and quality	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:15
S17	1	"381"/\$.ccls. and (smooth\$3 adj2 filter) same Cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:15

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S18	0	"84"/\$.ccls. and (smooth\$3 adj2 filter) same Cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:17
S19	4	(smooth\$3 adj2 filter) same Cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:16
S20	2	"704"/\$.ccls. and (smooth\$3 adj2 filter) same Cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:55
S21	1784495	"704"/\$.ccls. and (smooth\$3) same Cepstrum smae Filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:25
S22	29	"704"/\$.ccls. and (smooth\$3) same Cepstrum same Filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:56
S23	60	matsushita.AS. and frequency and envelope and fourier and sound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:40
S24	10	S23 and (cepstrum cepstral)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:37
S25	0	tagamin.in. and sound same quality same adjust\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:40
S26	8	tagami.in. and sound same quality same adjust\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 14:41
S27	1	tagami.in. and fourier same cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:04

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S28	9	morio.in. and sound same signal same encod\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:10
S29	8	("4944012").URPN.	USPAT	OR	OFF	2008/02/06 15:05
S30	6	cepstrum same (filter near3 factor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:11
S31	2	cepstrum and (fourier same (filter near3 factor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:08
S32	2	sharp.AS. and (sound same signal) and (filter near2 factor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:10
S33	21	cepstrum same coefficient same smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:12
S34	0	(coefficient adj2 based adj3 cepstrum) same smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:13
S35	2	(coefficient adj3 cepstrum) same smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:16
S36	8	log adj2 magnitude adj2 approximation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:17
S37	1	yano.in. and tone and quality and LMA and filter and cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:41

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S38	3	yano.in. and quality and LMA and filter and cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:42
S39	1	EP-1628397-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:44
S40	12	ishikawa.in. and sound same quality same adjust\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:46
S41	93	ishikawa.in. and sound same quality	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:46
S42	1	"704"/\$.ccls. and (smooth\$3 adj3 fourier) same Cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:57
S43	5	(smooth\$3 adj3 fourier) same Cepstrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/06 15:57
S44	6	cepstr\$2 same (filter near3 factor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/08 13:11
S45	1	cepstr\$2 same (cofficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/08 13:12
S46	7	cepstr\$2 same (filter\$3 with fourier with spectrum with (low adj2 pass))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/08 13:13
S47	9	cepstr\$2 and (filter\$3 with fourier with spectrum with (low adj2 pass))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/08 13:25

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S48	1	("6751592").PN.	USPAT	OR	OFF	2008/02/13 16:31
S49	23	cepstr\$2 same filter\$3 same fourier same spectrum same (low adj2 pass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:35
S50	6	cepstr\$2 near20 filter\$3 near20 fourier near20 spectrum near20 (low adj2 pass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:39
S51	6	cepstr\$2 near20 (smooth\$3 filter\$3) near20 fourier near20 spectrum near20 (low adj2 pass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:43
S52	39	cepstr\$2 near20 (smooth\$3 filter\$3) near20 fourier near20 spectrum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:44
S53	6	cepstr\$2 near20 (smooth\$3 filter\$3) near20 fourier near20 spectrum near20 (factor coefficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:44
S54	0	cepstr\$2 near20 (smooth\$3 filter\$3) near20 (median average central) near20 spectrum near20 (factor coefficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:51
S55	26	cepstr\$2 near20 (smooth\$3 filter\$3) near20 spectrum near20 (factor coefficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 16:51
S56	9	(smooth\$3 filter\$3) same fourier same spectrum same (cepstrum ceptrsal) same lifter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 17:08
S57	9	fourier same spectrum same (cepstrum ceptrsal) same lifter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 17:10
S58	1	("5485543").PN.	USPAT	OR	OFF	2008/02/13 17:41
S59	11	("5485543").URPN.	USPAT	OR	OFF	2008/02/13 17:42

## EAST Search History

S60	0	("(predeterminedfixed)near4cepstrumnear3(factorcoefficient)").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:14
S61	13	(predetermined fixed) near4 cepstrum near3 (factor coefficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:14
S62	2	(moving near2 (mean average)) same cepstrum same (factor coefficient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:18
S63	5	(mean average) same cepstrum same (low adj2 pass adj2 filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:20
S64	54	cepstrum same (low adj2 pass adj2 filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:22
S65	6	cepstrum near20 (low adj2 pass adj2 filter\$3) near20 coefficient\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:22
S66	6	(pitch adj2 extract\$3) near3 smooth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:33
S67	0	S58 and (low near2 pass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:36
S68	1	S58 and (filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:36
S69	7	cepstrum same (smooth\$3 near2 filter\$3) same coefficient\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:37

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S70	0	smooth\$3 near3 (low adj pass adj filter\$3) near4 fourier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:52
S71	1	smooth\$3 with (low adj pass adj filter\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:52
S72	5	smooth\$3 near3 (low adj pass adj filter\$3) near4 fourier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:52
S73	34	smooth\$3 near10 (low adj pass adj filter\$3) near10 fourier	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:54
S74	131	(predetermined fixed) near4 (factor coefficient) near4 (advance priori)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 18:55
S75	6	(smooth\$3 near10 (low adj pass adj filter\$3) near10 fourier) and (speech voice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/02/13 19:15
S76	3	((("5485543") or ("5963901") or ("5495432")).PN.	USPAT	OR	OFF	2008/02/14 09:39